

### Abstract

5 The present invention provides a compound capable of binding to the ubiquinone binding site of DHODH which contains a non-aromatic ring system as a core structure, a group capable of interacting with structural elements of subsite 2 or 3 of the ubiquinone binding site of DHODH and a group capable of interacting hydrophobically with structural elements of subsite 1 of the ubiquinone binding site of DHODH. Furthermore, the present  
10 invention provides a compound capable of binding to the ubiquinone binding site of DHODH which contains an aromatic ring system as a core structure, a group capable of interacting with residues His 56 and/or Tyr 356 of subsite 3 of the ubiquinone binding site of DHODH and a group capable of interacting hydrophobically with structural elements of subsite 1 of the ubiquinone binding site of DHODH.

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